

CLAIMS

1. A method of configuring a mobile device in a mobile communications network, the method comprising:
 - determining whether a first identity module coupled to a mobile device is
 - 5 different from a second identity module previously coupled to the mobile device;
 - searching entries in a data structure for first configuration data associated with the first identity module; and
 - configuring the mobile device to use the first configuration data, when said first configuration data is present in an entry of the data structure,
 - 10 wherein the data structure has a plurality of entries that comprise configuration data for respective plurality of identity modules that can be coupled to the mobile device.
2. The method of claim 1, further comprising:
 - 15 prompting entry of the first configuration data, when the first configuration data is not present in an entry of the data structure.
3. The method of claim 2, further comprising:
 - storing the first configuration data in a first entry in the data structure, in
 - 20 response to receiving said first configuration data.
4. The method of claim 3, further comprising:
 - storing a reference to the first identity module in a second entry in the data structure, wherein the first entry is associated with the second entry, such that
 - 25 when the first identity module is recoupled to the mobile device after being removed, the reference in the second entry is used to access the first configuration data stored in the first entry.
5. The method of claim 1, wherein the data structure is stored in a
- 30 memory module.

6. The method of claim 1, wherein the data structure is stored in the mobile device.

5 7. The method of claim 1, wherein the data structure is stored in a communications network component accessible by the mobile device.

8. The method of claim 4, wherein the data structure is in a table format with entries that associate at least one identity module with respective
10 configuration data for said at least one identity module.

9. The method of claim 1, wherein the first configuration data comprises a mobile communication network access point name (APN).

15 10. The method of claim 1, wherein the first configuration data comprises a wireless application protocol internet protocol (WAP IP) address.

11. A method of configuring a mobile device coupled to a first identity module, the method comprising:
20 detecting a second identity module coupled to the mobile device after the first identity module;
searching a first entry in a data structure for network access information associated with the second identity module; and
configuring the mobile device according to the network access information
25 in the first entry to allow the mobile device to operate in a mobile communications network using the second identity module without need for externally programming the mobile device with the network access information.

12. The method of claim 11, wherein the data structure accommodates
30 multiple entries for storing multiple network access information corresponding to multiple identity modules configured for coupling with the mobile device.

13. The method of claim 11, wherein the detecting comprises:
identifying the second identity module based on a second unique value
embedded in the second identity module; and

5 comparing said second unique value with a first unique value embedded in
the first mobile identity module to detect if said first and second unique values
match.

14. The method of claim 13, further comprising:
10 determining that the second identity module is other than the first identity
module, when the first and second unique values do not match.

15. The method of claim 13, wherein the second unique value is a serial
number of the second identity module.

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16. The method of claim 13, wherein the second unique values is a
network ID associated with the second identity module.

17. A mobile device in a mobile communications network, the mobile
20 device comprising:

means for determining whether a first identity module coupled to the
mobile device is different from a second identity module previously coupled to the
mobile device;

25 means for searching entries in a data structure for first configuration data
associated with the first identity module; and

means for configuring the mobile device to use the first configuration data,
when said first configuration data is present in an entry of the data structure,

30 wherein the data structure has a plurality of entries that comprise
configuration data for a corresponding plurality of identity modules implemented
for coupling with the mobile device.

18. The mobile device of claim 17, further comprising:
means for prompting entry of the first configuration data, when the first
configuration data is not present in an entry of the data structure.

5 19. The mobile device of claim 18, further comprising:
means for storing the first configuration data in a first entry in the data
structure, in response to receiving said first configuration data.

10 20. The mobile device of claim 17, further comprising:
storage means for storing the data structure.